

Jamul/Dulzura



Lyons Valley Road to Skyline
Truck Trail



Heide Lane (north to Lyons
Valley)



SR 94 east of Barrett Lake

Overview

At build-out of the GP2020 Draft Land Use Map, the majority of CE roadways throughout the Jamul/ Dulzura sub-region will function at an acceptable level of service. In addition, significant reductions in future land use capacity allow this community to downgrade several roads, such as Honey Springs, from four-lanes to two-lanes. This change will help reduce future road construction costs and it will also help retain the rural character of the Jamul/Dulzura, particularly in the eastern portion of community.

The most challenging aspect of the circulation system in Jamul/Dulzura is SR 94, which carries a substantial amount of traffic to/from Mexico and the Mountain Empire Subregion. The Rural Highway 94 Corridor Study demonstrated that widening the west corridor of SR 94 from Avocado Rd in Valle de Oro to the U.S/Mexico Border at Tecate would cost approximately \$350-\$500K. In order to retain SR 94 as a two-lane road (operating at an acceptable level of service), land use modifications were applied in Tecate to the Draft land Use Map. Land use modifications in Tecate were not included on the Board Alternative Map, however, and SR 94 will need to be widened to four lanes at build-out of the Board's alternative land use plan.

Planning Group Preferences

The Jamul Community Planning Group concurred with the Proposed Road Network with one exception. The group proposed the addition of Millar Ranch Road, which lies south of SR 94, in the expired Hidden Valley Ranch SPA, to the CE network. When modeled as a CE road however, it did not lower ADTs along SR94. In addition, there are significant environmental constraints in this area as the proposed road would traverse a core MSCP preserve.

The Jamul Community Planning Group also opposes widening SR 94 to four lanes south of Melody Rd

Key Issues*State Route 94 (SR 94)*

- In order to resolve the level of service problems associated with SR 94, substantial land use changes were necessary in Tecate, California. The proposed land use changes did improve the LOS on SR 94 from LOS F to, LOS D from Melody Rd in Jamul into the Tecate community planning area.
- A 4-lane road classification on State Route 94 from Steele Canyon to Lyons Valley Road is proposed, which is not included in the SANDAG 2030 Regional Transportation Plan

LOS E/F Roadways

- A segment of Lyons Valley Road from SR 94 to Skyline Truck Trail is forecast as having failing Level of Service E (14.4K to 18.3K vs. road capacity of 13.5K). Although the Jamul/Dulzura CPG and staff agree that road improvements are necessary along this portion of Lyons Valley road, retention of the community character is also a very important criteria. To this end, staff proposed a Light Collector with Improvement Options in order to accommodate the traffic volume while still retaining right-of-way for future additional capacity.

Environmental

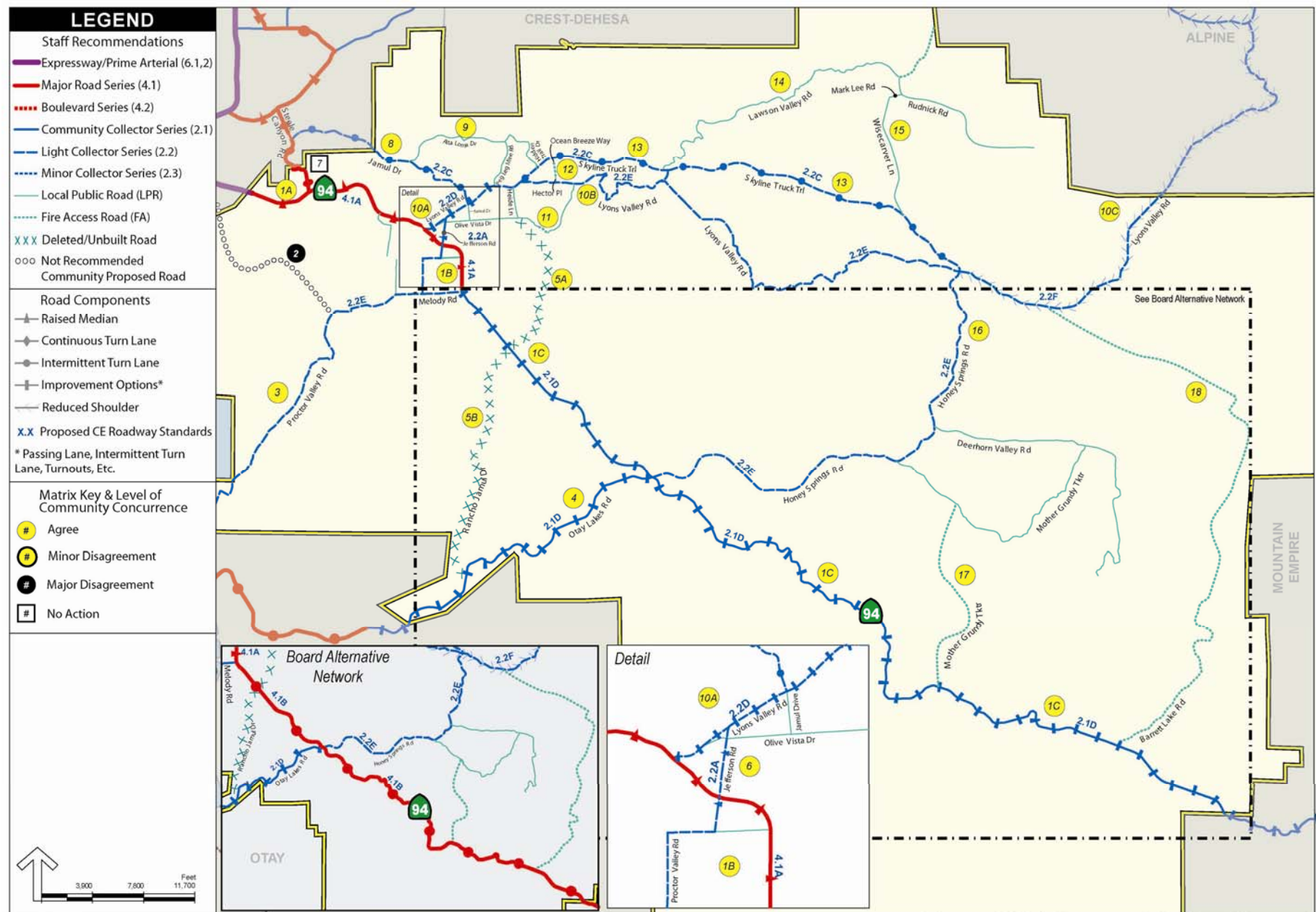
- Millar Ranch Road was not included on the CE Network Map because of sensitive environmental habitat throughout the area.

Connectivity

- Two roadways were downgraded to fire access roads within the community planning area. Mother Grundy Truck Trail as it moves south to SR 94, and Barrett Lake Road. Specific fire access information for these roadways will be addressed within the community planning text for Jamul/Dulzura.
- The Jamul/Dulzura CPG originally requested that staff retain a 4-lane classification on Otay Lakes road, which they felt would be taking much of the traffic off of SR 94. Modeling of the roadway failed to confirm this assumption, and the group agreed to only retain a wider right-of-way on Otay Lakes Road.

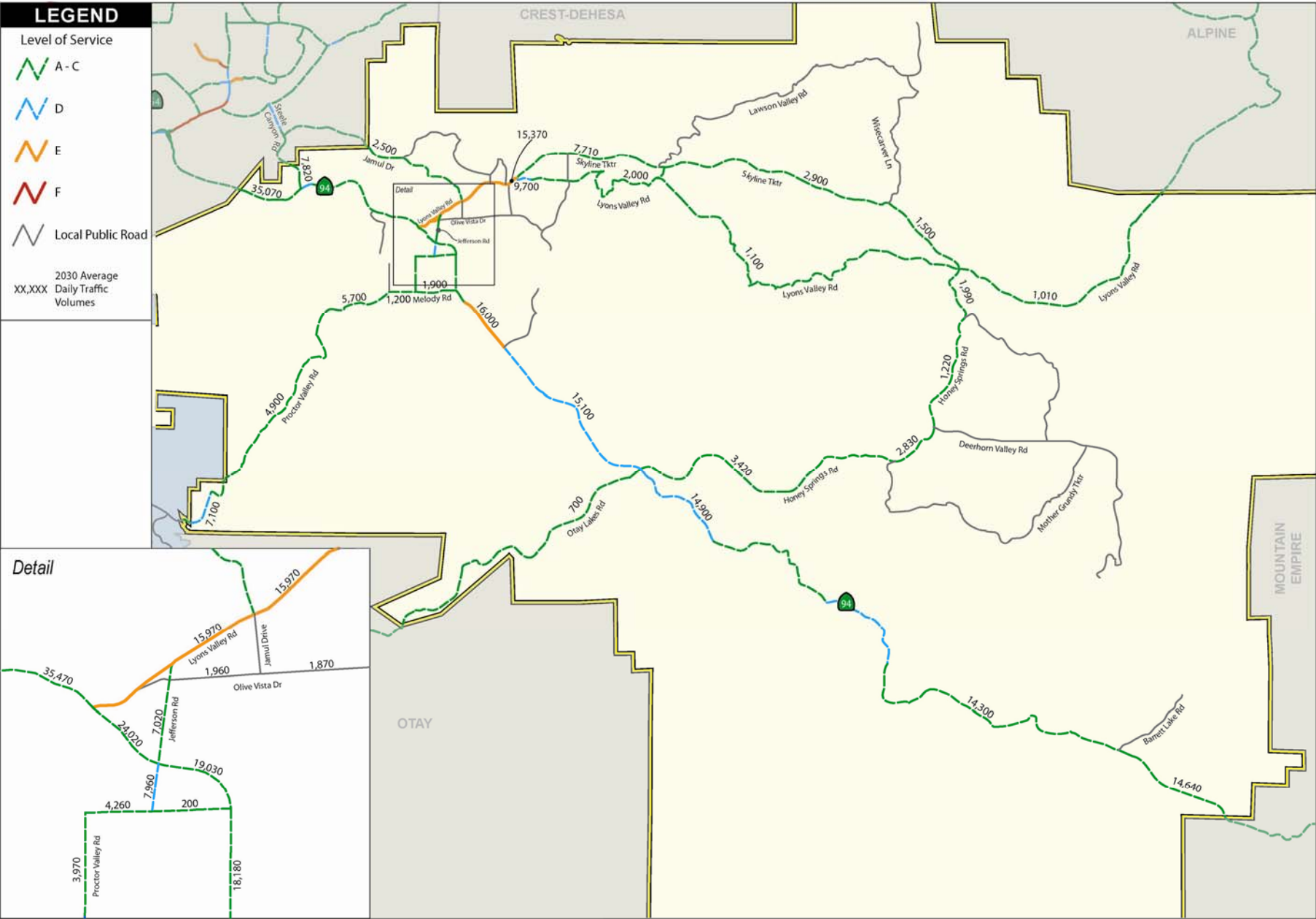
Board Alternative Map Network

The Board Alternative Map does not include the proposed land use modifications for Tecate. Therefore, SR 94 will need to be widened to four lanes in order to resolve the forecast level of traffic. An illustration of all proposed CE network map revisions for the BAM is summarized in the Tecate community summary.



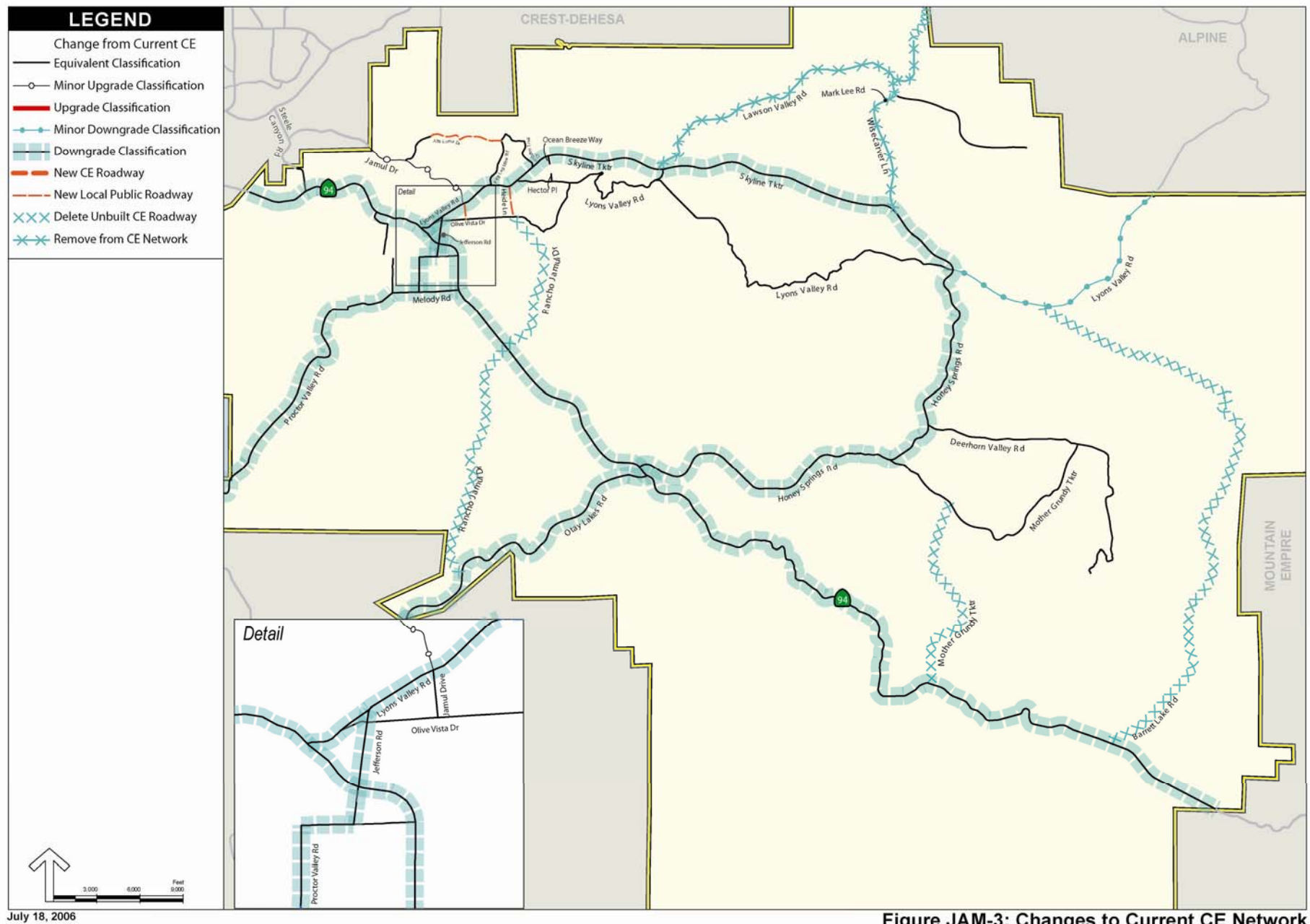
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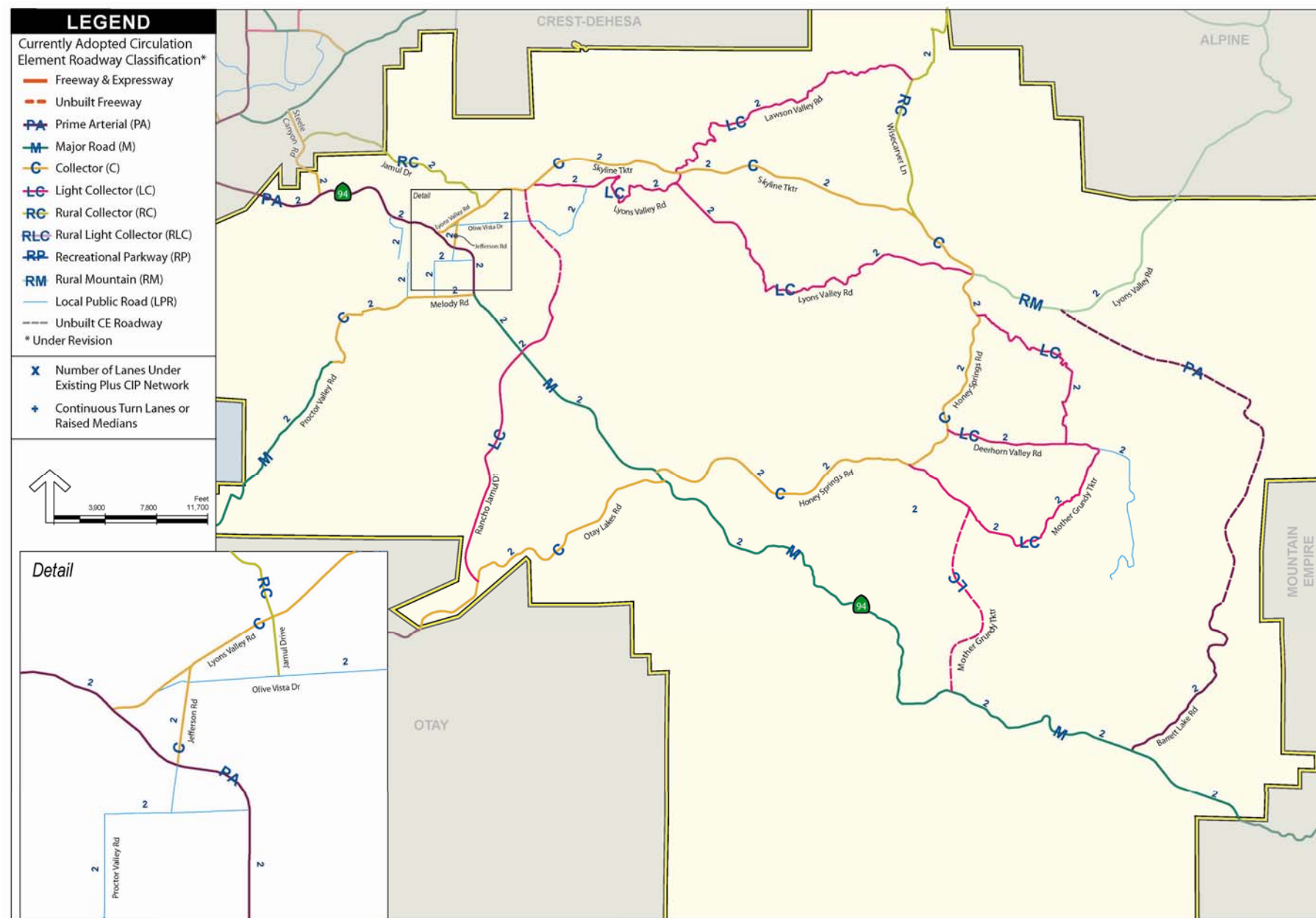
Figure JAM-1: Proposed CE Road Network



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Figure JAM-2: Level of Service and Average Daily Traffic Volumes - Proposed CE Road Network





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Figure JAM-4: Existing Plus CIP Network

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
1A State Route 94 <u>Segment:</u> Jamul Border to Lyons Valley <u>Existing Condition:</u> 2 lanes <u>Current Classification</u> Prime Arterial (6 lanes)	Downgrade Classification 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i>-- A 4- lane road will accommodate forecast traffic volumes at LOS D or better
1B State Route 94 <u>Segment:</u> : Lyons Valley to Melody Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Prime Arterial (6 lanes)	Downgrade Classification 4.1A Major Road with Raised Median (4+ lanes)	<ul style="list-style-type: none"> <i>Maximize Traffic Movement</i>-- 4 lanes is necessary to meet future traffic volume Note: 4 lane classification extends beyond SANDAG RTP (from Lyons Valley Rd to Melody Rd)
1C State Route 94 <u>Segment:</u> Melody Road to Tecate planning area <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Major Road (4+ lanes)	<i>Draft Land Use Map:</i> Downgrade Classification 2.1D Community Collector with Improvement Options (2+ lanes) <i>(turnouts are the preferred improvement option)</i>	<ul style="list-style-type: none"> <i>Maximize Traffic Movement</i>-- Wider ROW retained to accommodate future road widening if necessary, for turnouts or other road improvements. <i>Minimize Costs:</i> Two plus lanes retained due to high costs of road widening
	<i>Board Alternative Map:</i> Minor Downgrade 4.1B Major Road with Intermittent Turn Lanes (4+ lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i>-- A 4- lane road will accommodate forecast traffic volumes at LOS D or better
2 Millar Ranch Road <u>Segment:</u> State Route 94 to Proctor Valley <u>Existing Condition:</u> Portion is 2 lanes/ dirt road <u>Current Classification:</u> None	No change <i>CPG Preference:</i> New CE Road 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> <i>Road Capacity:</i> This proposed road did not carry a significant capacity to justify becoming a CE road.

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
3 Proctor Valley Road (SA 1160.1) <u>Segment:</u> State Route 94 south and Melody Road to Chula Vista <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Major Road (4+ lanes)	Downgrade Classification 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> • <i>Road Capacity</i>--A 2- lane road classification will operate at LOS A-C • <i>Build Community Consensus</i> –Community supports downgrade of road
4 Otay Lakes Road (SA1396) <u>Segment:</u> State Route 94 west to Otay Planning Area <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	Downgrade Classification 2.1D Community Collector with Improvement Options (2+ lanes) <i>(Passing lane is the preferred improvement option)</i> <i>Realign Intersection with Honey Springs Road</i>	<ul style="list-style-type: none"> • <i>Road Capacity</i> -- A 2- lane roadway will operate at LOS A-C. • <i>Build Community Consensus</i> – Recommendation retains right-of-way for operational improvements and future road widening, if needed
5A Rancho Jamul Drive ‘North’ (SC760) <u>Segment:</u> From State Route 94 north to Lyons Valley Road <u>Existing Condition:</u> Paved portion is Local Public road/ portion is unbuilt <u>Current Classification:</u> Light Collector (2 lanes)	Delete from CE Network Heide Lane connection to Lyons Valley from Olive Vista added as new local public road connection	<ul style="list-style-type: none"> • <i>Build Community Consensus</i> -- Strong opposition by community for this roadway to extend from SR 94 to Olive Vista • <i>Board Direction:</i> Remove from CE Network
5B Rancho Jamul Drive ‘South’ (SC760) <u>Segment:</u> South of State Route 94 to Otay Lakes Rd <u>Existing Condition:</u> Unbuilt <u>Current Classification:</u> Light Collector (2 lanes)	Delete from CE Network	<ul style="list-style-type: none"> • <i>Build Community consensus</i>-- Proposed connection has strong community opposition because there is no development in this area to support a CE roadway • <i>Board Direction</i>-- Remove from CE network

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
6 Jefferson Road (SC391) <u>Segment:</u> Lyons Valley Rd to SR 94 <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	Downgrade Classification 2.2A Light Collector with Raised Median (2+ lanes)	<ul style="list-style-type: none"> • <i>Road Capacity</i>-- A 2+ road classification will operate at LOS A-C • <i>Support Land Use Goals:</i> Appropriate road type in a commercial, higher density area • <i>Community Preference:</i> Landscaped median and pocket turnouts
7 Steele Canyon Road (SC2050) <u>Segment:</u> Jamul CPA boundary to SR94 <u>Existing Conditions:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	Equivalent Classification 4.1B Major Road with Intermittent Turn Lanes (4+ lanes)	<ul style="list-style-type: none"> • <i>Road Capacity</i>—The road is primarily located within the VDO Community. Designation supports Valle de Oro CPG decision • <i>Maximize Traffic Movement</i> – This route provides an important connection between VDO and Jamul/Dulzura communities.
8 Jamul Drive (SC2055) <u>Segment:</u> Fowler Canyon to Lyons Valley Rd <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Rural Collector (2 lanes)	Minor Upgrade Classification 2.2C Light Collector with Intermittent Turn Lanes (2+ lanes) <i>Addition of new local public road extension south of Lyons Valley Rd</i>	<ul style="list-style-type: none"> • <i>Road Capacity</i>-- A 2+ lane road classification will operate at LOS A-C
9 Alta Loma <u>Segment</u> Alta Loma to Peg Leg Mine & Peg Leg Mine to Hidden Ridge Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> paved portion is a Local Public Road (2 lanes)	Equivalent Classification New Local Public Road extensions (2 lanes)	<ul style="list-style-type: none"> • <i>Build Community Consensus</i>-- Favorable agreement within community for this new connection

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
10A Lyons Valley Road (SA390.1) <u>Segment:</u> SR94 to Skyline Truck Trail <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	Downgrade Classification 2.2B Light Collector with Continuous Turn Lane (2+ lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i> -- A 4 lane road is required to operate at LOS D or better <i>Build Community Consensus</i>—Desire to maintain community character and realize that the appropriate road type is best accommodated with turn lanes
10B Lyons Valley Road (SA390.1) <u>Segment:</u> Skyline Truck Trail to Honey Springs Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Light Collector (2 lanes)	Equivalent Classification 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> <i>Road Capacity</i>-- Low forecast volumes do not justify a 2- lane CE road classification
10C Lyons Valley Road (SA390.1) <u>Segment:</u> Honey Springs to Alpine CPA <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Light Collector (2 lanes)	Minor Downgrade 2.2F Light Collector with Reduced Shoulder (2 lanes) <i>Reduced shoulder is five feet wide for bike lane</i>	<ul style="list-style-type: none"> <i>Road Capacity</i>-- Low forecast volumes do not justify a 2- lane CE road classification
11 Olive Vista Rd <u>Segment:</u> Connection of Olive Vista segment to Jamul Highlands <u>Existing Condition:</u> Unbuilt and gated <u>Current Classification:</u> Local Public Road (gated)	New Classification New Fire Access Road	<ul style="list-style-type: none"> <i>Build Community Consensus</i> -- This segment which connects Olive Vista to Jamul Highlands Dr is supported by the community and they would like to see it addressed within the community plan text

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
12 Ocean Breeze Way/ Hector Pl <u>Segment:</u> Hector Pl to Ocean Breeze <u>Existing Condition:</u> Unbuilt segment <u>Current Classification:</u> Private Road	New Classification New Fire Access Road from Lyons Valley to Skyline Truck Trail	<ul style="list-style-type: none"> • <i>Build Community Consensus</i>—The Jamul/Dulzura CPG supports this road connection
13 Skyline Truck Trail (SA390) <u>Segment:</u> Lyons Valley Rd to Honey Springs Road <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	Downgrade Classification 2.2C Light Collector with Intermittent Turn Lanes (2+ lanes)	<ul style="list-style-type: none"> • <i>Road Capacity</i>-- Low forecast volumes do not justify a 2- lane CE road classification
14 Lawson Valley Road (SC780) <u>Segment:</u> Skyline Truck Trail to Alpine CPA <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Light Collector (2 lanes)	Remove from CE Network Classify paved portion as a Local Public Road, and classify unpaved portion as a Fire Access Road	<ul style="list-style-type: none"> • <i>Road Capacity</i>-- Low forecast volumes do not justify a 2- lane CE road classification • <i>Build Community Consensus</i>--This road needs to be maintained in case of fire emergencies • <i>Appropriate Road type</i>—Local Public Road designation is appropriate in an area that is windy and which traverses areas with steep terrain

CE Road Segment	Road Network Recommendations	Basis for Staff Recommendation
15 Wisecarver Lane (SC790) <u>Segment:</u> Rudnick Dr to Skyline Truck Trail <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Rural Collector (2 lanes)	Remove from CE Network Classify as a Local Public Road	<ul style="list-style-type: none"> • <i>Road Capacity</i> -- Low forecast volumes do not justify a 2- lane CE road classification • <i>Build Community Consensus</i>--This road needs to be maintained in case of fire emergencies • <i>Appropriate Road Type</i> — Local Public Road designation is appropriate in an area that is windy -- will be able to have slower speeds which will respond better to existing steep terrain
16 Honey Springs Road (SA400) <u>Segment:</u> Entire length <u>Existing Condition:</u> 2 lanes <u>Current Classification:</u> Collector Road (4 lanes)	Downgrade Classification 2.2E Light Collector (2 lanes)	<ul style="list-style-type: none"> • <i>Road Capacity</i> — Low forecast volumes do not justify a 2- lane CE road classification • <i>Build Community Consensus</i> -- Community wishes to retain existing 2 lane roadway
17 Mother Grundy Truck Trail (SC740) <u>Segment:</u> Entire length <u>Existing Condition:</u> dirt road <u>Current Classification:</u> Light Collector (2 lanes)	Remove from CE Network Retain as a Fire Access Road on community plan	<ul style="list-style-type: none"> • <i>Road Capacity</i>-- Low forecast volumes do not justify a 2- lane CE road classification, and a CE road does not serve a vital function in this area • <i>Build Community Consensus</i>—Community wants to retain road as a Fire Access Road
18 Barrett Lake Road <u>Segment:</u> Entire length <u>Existing Condition:</u> dirt road <u>Current Classification:</u> Rural Light Collector (2 lanes)	Remove from CE Network Retain as a Fire Access Road on community plan	<ul style="list-style-type: none"> • <i>Road Capacity</i>-- Low forecast volumes do not justify a 2- lane CE road classification and a CE road does not serve a vital function in this area • <i>Build Community Consensus</i>—Community wants to retain road as a Fire Access Road